

KAWASAKI STEEL TECHNICAL REPORT

Development of Fixed Outer Dimension H-Shapes "Super HISLEND-H"*

Synopsis:

After ten years of technical research into the production

73. [Redacted] enhanced support on the developer [Redacted] cost performance and productivity as well as in reduced

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(Edging mill: caliber type)

nesses vary within the same series (nominal dimensions) of H-changes, which means that the outer diam-

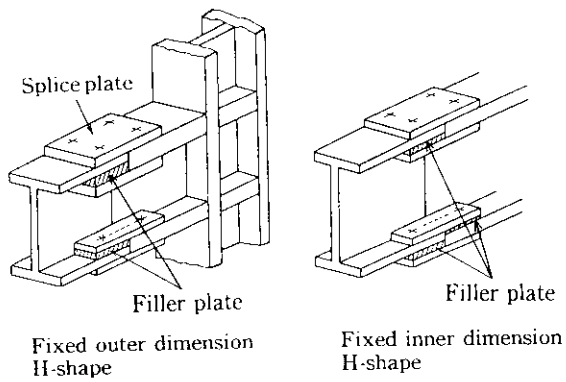


Fig. 4 Application of fixed inner and outer dimension H-shape

3 Development of Fixed Outer Dimension H-Shapes

3.1 Features of New Product

The most important feature of the new line of H-shapes, which is called Super HISLEND-H, is that all outer dimensions are uniform within each series, as shown in Fig. 3. This solved one fundamental problem with conventional H-shapes, but the new line was also designed to meet several other user requirements. The main improvements incorporated into the product design concept are discussed below.

3.1.1 Fixed outer dimensions

Outer dimensions are fully fixed. In other words, within any series, the outer dimensions of the web

therefore been considered highly desirable since H-shapes first appeared on the market. Users of rolled H-shapes have also expressed other needs, but it should be

simple, regular dimensions of the line (400, 450, ...), the design and execution of structural column connections and girders joints are simple. The dimensions are

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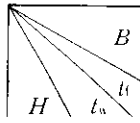
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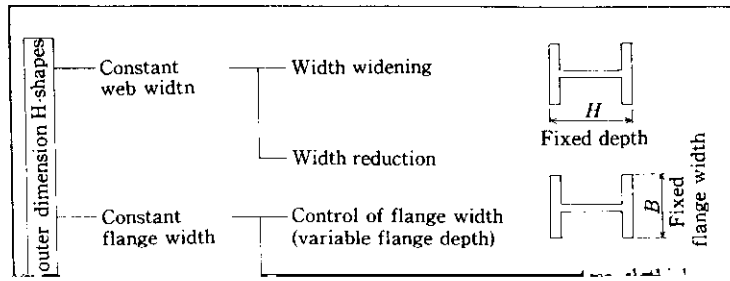
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Table 1. Curves HIGLEND II-1

	150					200					250					300					
	9	12	16	19	22	9	12	16	19	22	25	28	12	16	19	22	25	28	10	12	14



REPORT

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